

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 03/05915

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H01R13/648 H01R13/453

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, PAJ, EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 167 516 A (H.-C. TAN ET AL) 1 December 1992 (1992-12-01) column 3, line 27 - line 55 column 4, line 17 - line 46 column 5, line 47 - line 65; figures 2A-4 -----	8-11
A	US 6 305 955 B1 (T.B. BILLMAN) 23 October 2001 (2001-10-23) column 3, line 22 - line 45; figures 1-4 -----	1-4
A		1,8

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

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- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the International search	Date of mailing of the International search report
24 June 2003	09/07/2003
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel: (+31-70) 340-2040, Tx. 31 651 epo nl Fax: (+31-70) 340-3016	Authorized officer Alexatos, G

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Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)		Publication date
US 5167516	A	01-12-1992		NONE
US 6305955	B1	23-10-2001	CN TW US	2479714 U 461515 Y 2001049214 A1
				27-02-2002 21-10-2001 06-12-2001